

US Patent 6,277,611

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<!--StartFragment-->RESULT 8
US-09-576-281-10
; Sequence 10, Application US/09576281
; Patent No. 6277611
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Anders
; APPLICANT: Svendsen, Allan
; APPLICANT: Schneider, Palle
; APPLICANT: Rasmussen, Grethe
; APPLICANT: Cherry, Joel
; TITLE OF INVENTION: LACCASE MUTANTS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6277611o No. 6277611disk of No. 6277611th America
; STREET: 405 Lexington Avenue
; CITY: New York
; COUNTRY: USA
; ZIP: 10174
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/576,281
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/993,318
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Gregg, Valeta A.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 5032.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 573 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-576-281-10
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Query Match 100.0%; Score 3158; DB 2; Length 573;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-291;  
 Matches 573; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 QQSCNTPSNRACWTDGYDINTDYEVDSPDTGVVRPYTLTLTEVDNWTGPDGVVKEKVMLV 60

Qy     61 NNSIIGPTIFADWGD TIQVTVINNLETNGTSIHHWGLHQKGTNLHDGANGITECPIPPKG 120
        |||
Db     61 NNSIIGPTIFADWGD TIQVTVINNLETNGTSIHHWGLHQKGTNLHDGANGITECPIPPKG 120

Qy    121 GRKVYRFKAQQYGT SWYHSHFSAQYGN GVVGAIQINGPASLPYD TDLGVFPISDY YYSSA 180
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Db	121	GRKVYRFKAQQYGTSWYHSHFSAQYGNVVGAIQINGPASLPYDSDLGVFPISDYYYSSA	180
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Db	181	DELVELTKNSGAPFSDNVLFNGTAKHPETGEGEYANVTLTGRRHRLRLINTSVENHFQV	240
Qy	241	SLVNHTMCIIAADMVPVNAMTVDSLFLGVGQRYDVVIEANRTPGNYWFNVTFGGGLLCGG	300
Db	241	SLVNHTMCIIAADMVPVNAMTVDSLFLGVGQRYDVVIEANRTPGNYWFNVTFGGGLLCGG	300
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Db	301	SRNPYPAAIFHYAGAPGGPPTDEGKAPVDHNCCLDLPNLKPVVARDVPLSGFAKRADNTLD	360
Qy	361	VTLDTTGTPLFVWKVNGSAINIDWGRAVVDYVLTQNTSFPPGYNIVEVNGADQWSYWLIE	420
Db	361	VTLDTTGTPLFVWKVNGSAINIDWGRAVVDYVLTQNTSFPPGYNIVEVNGADQWSYWLIE	420
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US Patent No. 5,770,419

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US-08-706-037-27
; Sequence 27, Application US/08706037
; Patent No. 5770419
; GENERAL INFORMATION:
; APPLICANT: Xu, Feng
; APPLICANT: Berka, Randy M.
; APPLICANT: Wahleithner, Jill A.
; TITLE OF INVENTION: BLUE COPPER OXIDASE MUTANTS WITH
; TITLE OF INVENTION: ENHANCED ACTIVITY
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 5770419o No. 5770419disk of No. 5770419th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,037
; FILING DATE: 30-AUG-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/002,800
; FILING DATE: 1-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Harrington, James J.
; REGISTRATION NUMBER: 38,711
; REFERENCE/DOCKET NUMBER: 4526.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 620 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-706-037-27
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Query Match 100.0%; Score 3158; DB 1; Length 620;  
 Best Local Similarity 100.0%; Pred. No. 1.7e-291;  
 Matches 573; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      48 QQSCNTPSNRACWTDGYDINTDYEVDSPDTGVVRPYTLTLTEVDNWTGPDGVVKEKVMLV 107

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Db     108 NNSIIGPTIFADWGD TIQVTVINNLETNGT SIHWHGLHQKGTNLHDGANGITECPIPPKG 167

Qy    121 GRKVYRFKAQQYGTSWYHSHFSAQYGN GVVGAIQINGPASLPYD TDLGVFPISDYY YSSA 180
      |||
Db    168 GRKVYRFKAQQYGTSWYHSHFSAQYGN GVVGAIQINGPASLPYD TDLGVFPISDYY YSSA 227
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Qy      181 DELVELTKNSGAPFSDNVLFNGTAKHPETGEGEYANVTLTGRRHRLRLINTSVENHFQV 240
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Db      228 DELVELTKNSGAPFSDNVLFNGTAKHPETGEGEYANVTLTGRRHRLRLINTSVENHFQV 287

Qy      241 SLVNHTMCI IAADMVPVNAMTVDSLFLGVGQRYDVVIEANRTPGNYWFNVTFGGGLLCGG 300
        |||
Db      288 SLVNHTMCI IAADMVPVNAMTVDSLFLGVGQRYDVVIEANRTPGNYWFNVTFGGGLLCGG 347

Qy      301 SRNPYPAAIFHYAGAPGGPPTDEGKAPVDHNCCLDLPNLKPVVARDVPLSGFAKRADNTLD 360
        |||
Db      348 SRNPYPAAIFHYAGAPGGPPTDEGKAPVDHNCCLDLPNLKPVVARDVPLSGFAKRADNTLD 407

Qy      361 VTLDTTGTPLFVWKVNGSAINIDWGRAVVDYVLTQNTSFPPGYNIVEVNGADQWSYWLIE 420
        |||
Db      408 VTLDTTGTPLFVWKVNGSAINIDWGRAVVDYVLTQNTSFPPGYNIVEVNGADQWSYWLIE 467

Qy      421 NDPGAPFTLPHPMHLHGHDFFYVLGRSPDESPASNERHVFDPARDAGLLSGANPVRRDVSM 480
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Db      468 NDPGAPFTLPHPMHLHGHDFFYVLGRSPDESPASNERHVFDPARDAGLLSGANPVRRDVSM 527

Qy      481 LPAFGWVVL SFRADNPGAWLFHCHIAWHVSGGLGVVYLERADDLRGAVSDADADDLDRLC 540
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Db      528 LPAFGWVVL SFRADNPGAWLFHCHIAWHVSGGLGVVYLERADDLRGAVSDADADDLDRLC 587

Qy      541 ADWRRYWPTNPYPKSDSGLKHRWVEEGEVLVKA 573
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Db      588 ADWRRYWPTNPYPKSDSGLKHRWVEEGEVLVKA 620
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US Patent No. 6 1060442

&lt;!-- StartFragment --&gt;RESULT 4

US-09-028-887-1

; Sequence 1, Application US/09028887

; Patent No. 6060442

; GENERAL INFORMATION:

; APPLICANT: Svendsen, Allan

; TITLE OF INVENTION: LACCASE MUTANTS

; NUMBER OF SEQUENCES: 2

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: No. 6060442o No. 6060442disk of No. 6060442th America

; STREET: 405 Lexington Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10174

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/028,887

; FILING DATE: 24-February-1998

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Gregg, Valeta A.

; REGISTRATION NUMBER: 35,127

; REFERENCE/DOCKET NUMBER: 5201.200-US

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 573 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-09-028-887-1

Query Match 100.0%; Score 3158; DB 2; Length 573;

Best Local Similarity 100.0%; Pred. No. 1.5e-291;

Matches 573; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 QQSCNTPSNRACWTDGYDINTDYEVDSPDTGVVRPYTLTLTEVDNWTGPDGVVKEKVMLV 60
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Db      1 QQSCNTPSNRACWTDGYDINTDYEVDSPDTGVVRPYTLTLTEVDNWTGPDGVVKEKVMLV 60

Qy     61 NNSIIGPTIFADWGDTIQVTVINNLETNGTSIHHWGLHQKGTNLHDGANGITECPIPPKG 120
        |||
Db     61 NNSIIGPTIFADWGDTIQVTVINNLETNGTSIHHWGLHQKGTNLHDGANGITECPIPPKG 120

Qy    121 GRKVYRFKAQQYGTSWYHSHFSAQYGNVVGAIQINGPASLPYDSDLGVFPISDYYYSSA 180
        |||
Db    121 GRKVYRFKAQQYGTSWYHSHFSAQYGNVVGAIQINGPASLPYDSDLGVFPISDYYYSSA 180

Qy    181 DELVELTKNSGAPFSDNVLFNGTAKHPETGEGEYANVTLTGRRHRLRLINTSVENHFQV 240
        |||
Db    181 DELVELTKNSGAPFSDNVLFNGTAKHPETGEGEYANVTLTGRRHRLRLINTSVENHFQV 240

Qy    241 SLVNHTMCIIAADMVPVNAMTVDSLFLGVGQRYDVVIEANRTPGNYWFNVTFGGGLLCGG 300
        |||
Db    241 SLVNHTMCIIAADMVPVNAMTVDSLFLGVGQRYDVVIEANRTPGNYWFNVTFGGGLLCGG 300

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Qy      301 SRNPYPAAIFHYAGAPGGPPTDEGKAPVDHNCCLDLPNLKPVVARDVPLSGFAKRADNTLD 360
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Db      301 SRNPYPAAIFHYAGAPGGPPTDEGKAPVDHNCCLDLPNLKPVVARDVPLSGFAKRADNTLD 360

Qy      361 VTLDTTGTPLFVWKVNGSAINIDWGRAVVDYVLTQNTSFPPGYNIVEVNGADQWSYWLIE 420
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Db      361 VTLDTTGTPLFVWKVNGSAINIDWGRAVVDYVLTQNTSFPPGYNIVEVNGADQWSYWLIE 420

Qy      421 NDPGAPFTLPHPMHLHGHDIFYVLGRSPDESPASNERHVFD PARDAGLLSGANPVRRDVSM 480
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Db      421 NDPGAPFTLPHPMHLHGHDIFYVLGRSPDESPASNERHVFD PARDAGLLSGANPVRRDVSM 480

Qy      481 LPAFGWVVL SFRADNPGAWLFHCHIAWHVSGGLGVVYLERADDLRGAVSDADADDLDRLC 540
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Db      481 LPAFGWVVL SFRADNPGAWLFHCHIAWHVSGGLGVVYLERADDLRGAVSDADADDLDRLC 540

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W Patent No. 6,218,170

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US-09-518-901-1
; Sequence 1, Application US/09518901
; Patent No. 6218170
;   GENERAL INFORMATION:
;       APPLICANT: Svendsen, Allan
;       TITLE OF INVENTION: LACCASE MUTANTS
;       NUMBER OF SEQUENCES: 2
;       CORRESPONDENCE ADDRESS:
;           ADDRESSEE: No. 6218170o No. 6218170disk of No. 6218170th America
;           STREET: 405 Lexington Avenue
;           CITY: New York
;           STATE: NY
;           COUNTRY: USA
;           ZIP: 10174
;       COMPUTER READABLE FORM:
;           MEDIUM TYPE: Floppy disk
;           COMPUTER: IBM PC compatible
;           OPERATING SYSTEM: PC-DOS/MS-DOS
;           SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
;       CURRENT APPLICATION DATA:
;           APPLICATION NUMBER: US/09/518,901
;           FILING DATE: 06-Mar-2000
;           CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;           APPLICATION NUMBER: 09/028,887
;           FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;           NAME: Gregg, Valeta A.
;           REGISTRATION NUMBER: 35,127
;           REFERENCE/DOCKET NUMBER: 5201.200-US
;   INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 573 amino acids
;           TYPE: amino acid
;           STRANDEDNESS: single
;           TOPOLOGY: linear
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-518-901-1

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Query Match 100.0%; Score 3158; DB 2; Length 573;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-291;  
 Matches 573; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 QQSCNTPSNRACWTDGYDINTDYEVDSPDTGVVRPYTLTLTEVDNWTGPDGVVKEKVMLV 60

Qy     61 NNSIIGPTIFADWGD TIQVTVINNLETNGTSIHHWGLHQKGTNLHDGANGITECPIPPKG 120
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Db     61 NNSIIGPTIFADWGD TIQVTVINNLETNGTSIHHWGLHQKGTNLHDGANGITECPIPPKG 120

Qy    121 GRKVYRFKAQQYGTSWYHSHFSAQYGNVVGAIQINGPASLPYD TDLGVFPISDY YYSSA 180
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Db    121 GRKVYRFKAQQYGTSWYHSHFSAQYGNVVGAIQINGPASLPYD TDLGVFPISDY YYSSA 180

Qy    181 DELVELTKNSGAPFSDNVLFNGTAKHPETGEGEYANVTLT PGRRHRLRLINTSVENHFQV 240
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